

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P646814

Luminaire Tested: **GALN-SA3C-835-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P646814  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA3C-835-U-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14505.1 lumens  
Efficiency: N/A  
Efficacy: 90.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

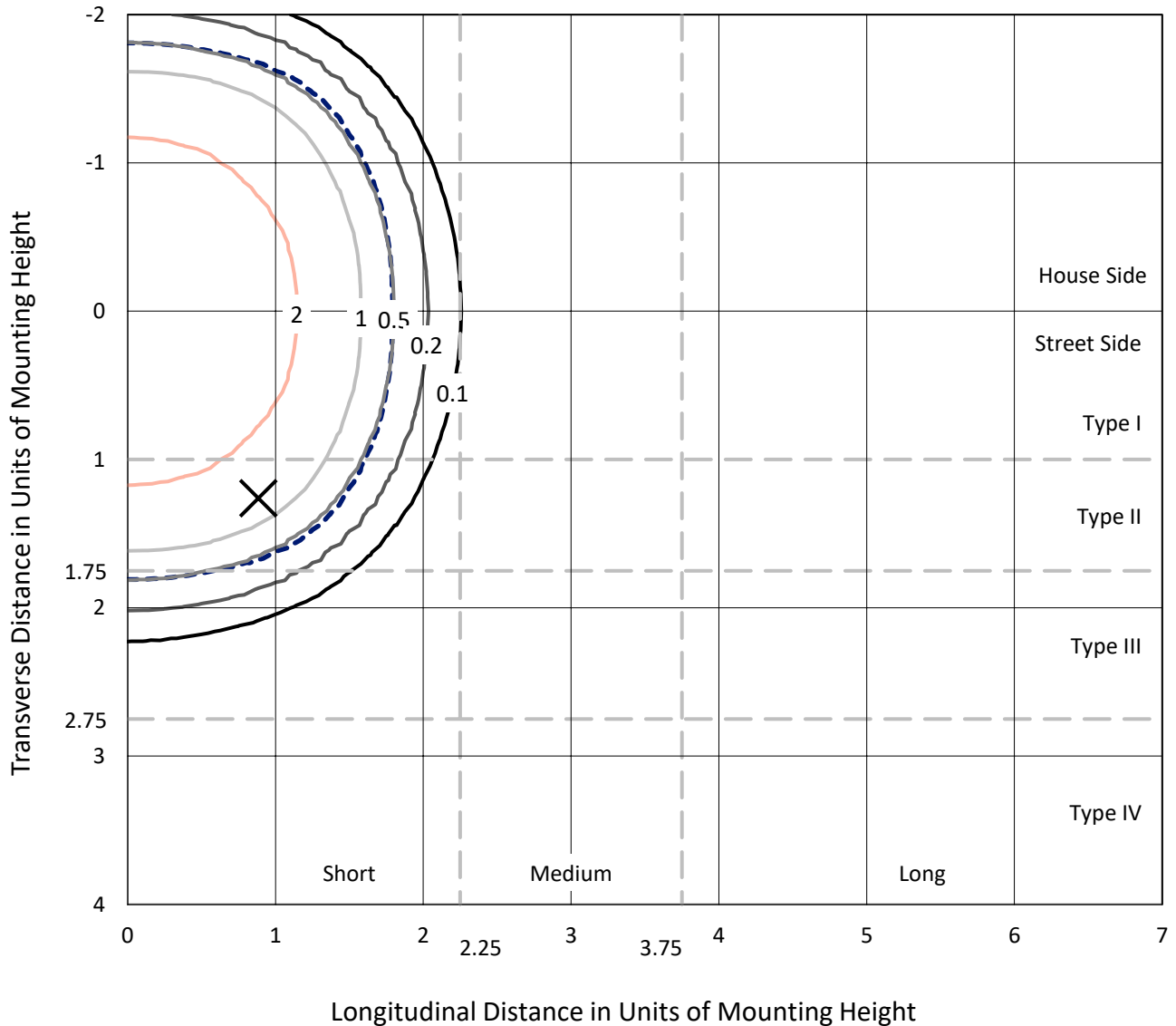
Input Watts (W): 160  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

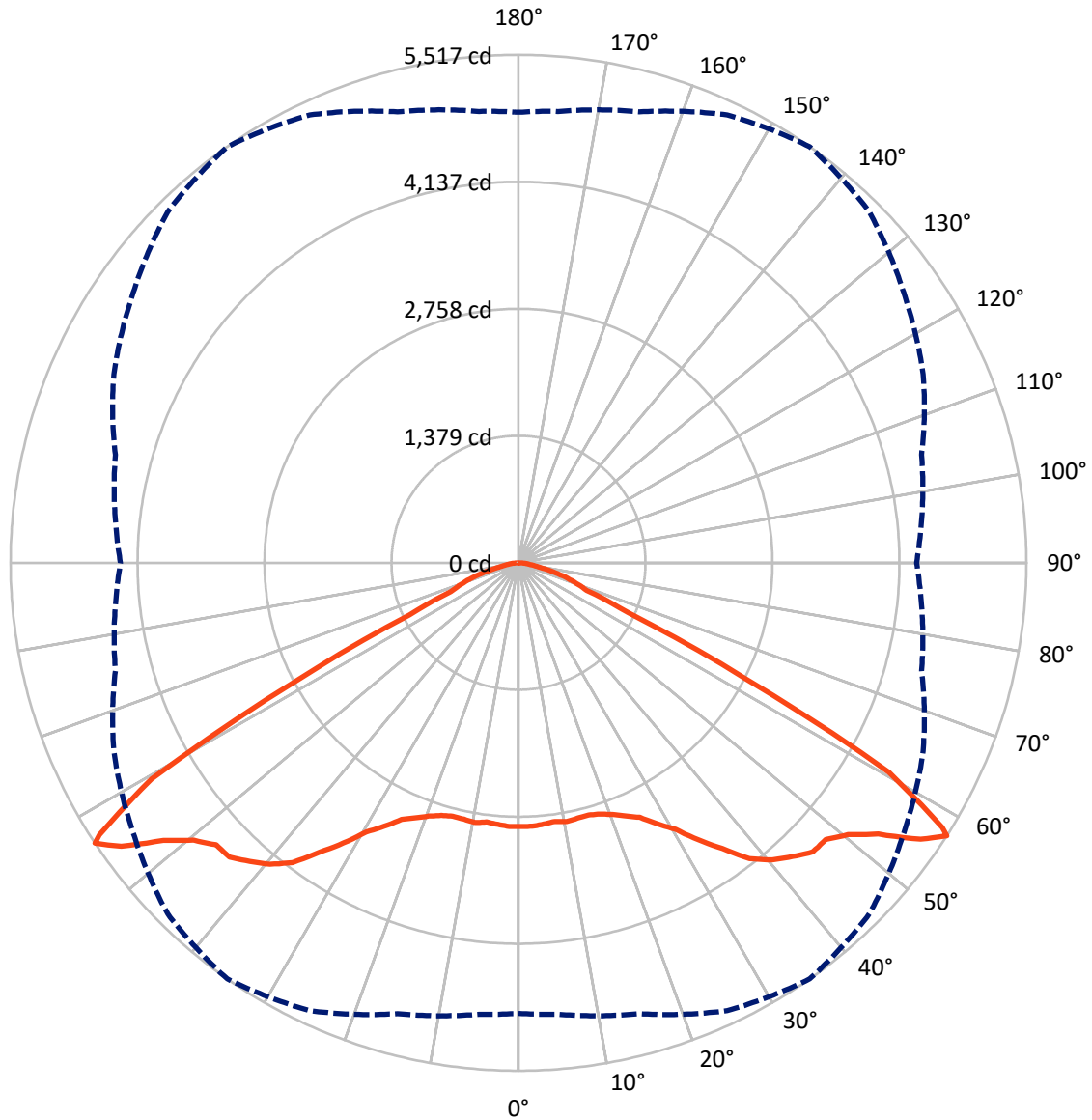
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 57-Deg Vertical

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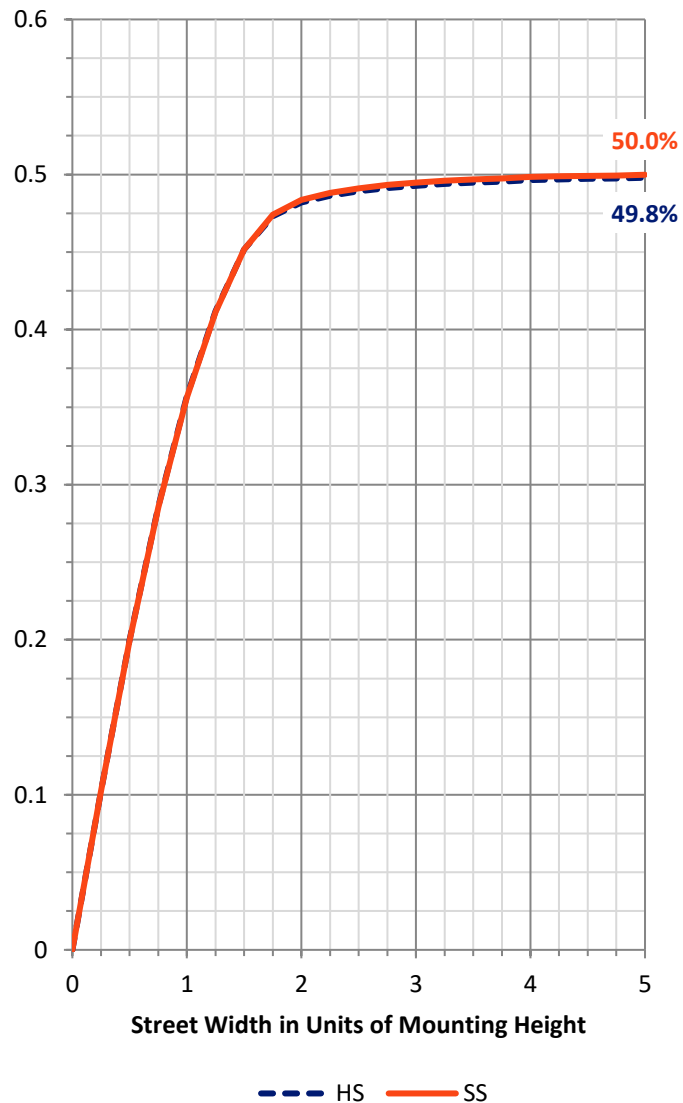
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7252.5	0.0	7252.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7252.5	0.0	7252.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14505.1	0.0	14505.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	271.6	1.9
10°-20°	804.3	5.5
20°-30°	1404.8	9.7
30°-40°	2301.8	15.9
40°-50°	3374.9	23.3
50°-60°	4251.0	29.3
60°-70°	1598.8	11.0
70°-80°	425.1	2.9
80°-90°	72.9	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	14505.1	100.0
0°-180°	14505.1	100.0

**Coefficient of Utilization**



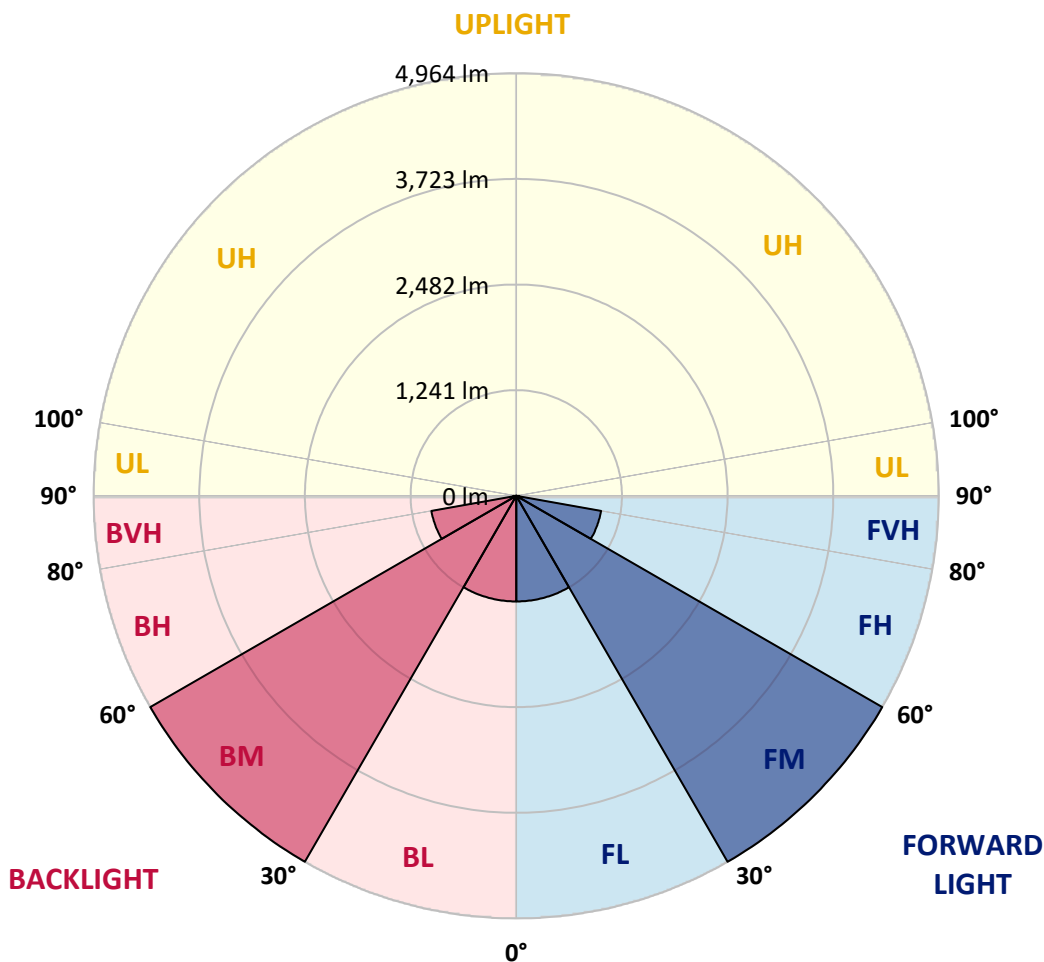
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1240.3	8.6			
FM (30°-60°)	4963.8	34.2			
FH (60°-80°)	1011.9	7.0			G1/1800
FVH (80°-90°)	36.4	0.3			G1/100
BL (0°-30°)	1240.3	8.6	B3/2500		
BM (30°-60°)	4963.8	34.2	B3/5000		
BH (60°-80°)	1011.9	7.0	B3/2500		G1/1800
BVH (80°-90°)	36.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2864.7	2864.7	2864.7	2864.7	2864.7	2864.7	2864.7	2864.7	2864.7	2864.7	2864.7
2.5°	2850.4	2878.9	2866.4	2859.3	2864.7	2855.7	2841.4	2857.5	2854.0	2839.6	2834.3
5°	2843.2	2864.7	2850.4	2864.7	2850.4	2875.3	2868.2	2841.4	2873.6	2843.2	2854.0
7.5°	2837.8	2845.0	2848.6	2841.4	2836.0	2866.4	2850.4	2837.8	2820.0	2814.6	2823.6
10°	2825.3	2843.2	2816.4	2852.2	2859.3	2837.8	2837.8	2814.6	2800.3	2791.4	2821.8
12.5°	2857.5	2827.1	2823.6	2841.4	2846.8	2855.7	2830.7	2818.2	2791.4	2794.9	2789.6
15°	2820.0	2832.5	2834.3	2837.8	2843.2	2864.7	2841.4	2814.6	2803.9	2766.3	2769.9
17.5°	2834.3	2821.8	2834.3	2875.3	2868.2	2884.3	2859.3	2818.2	2793.2	2771.7	2800.3
20°	2859.3	2854.0	2859.3	2909.3	2918.2	2932.6	2911.1	2873.6	2825.3	2800.3	2814.6
22.5°	2886.1	2882.5	2886.1	2934.4	2986.1	3004.1	2982.6	2895.1	2870.0	2823.6	2807.4
25°	2934.4	2937.9	2975.5	3029.0	3063.0	3097.0	3057.6	2995.1	2914.7	2886.1	2852.2
27.5°	3041.6	3050.5	3071.9	3150.6	3209.5	3239.9	3184.5	3098.7	3048.7	2989.7	2980.8
30°	3173.8	3173.8	3211.3	3279.2	3359.7	3406.1	3338.2	3236.4	3175.6	3143.4	3123.8
32.5°	3349.0	3329.3	3343.6	3463.3	3588.4	3627.7	3536.6	3411.5	3315.0	3272.1	3257.8
35°	3499.1	3511.5	3543.7	3672.4	3811.8	3902.9	3760.0	3597.3	3499.1	3459.8	3452.6
37.5°	3693.8	3715.3	3731.4	3908.3	4076.3	4110.2	3972.6	3842.2	3722.5	3690.3	3672.4
40°	3969.0	3954.8	3960.1	4090.5	4242.5	4263.9	4128.1	4035.2	3936.8	3917.2	3917.2
42.5°	4196.0	4179.9	4197.8	4246.1	4362.2	4346.1	4271.0	4203.1	4162.0	4140.6	4162.0
45°	4333.6	4330.0	4362.2	4398.0	4480.2	4426.5	4367.6	4378.3	4339.0	4303.2	4301.4
47.5°	4483.7	4460.5	4499.8	4553.4	4490.9	4465.8	4462.2	4485.5	4473.0	4410.5	4390.8
50°	4557.0	4548.1	4610.6	4673.2	4639.2	4582.0	4594.5	4632.1	4471.2	4387.2	4339.0
52.5°	4753.6	4755.3	4875.1	4909.0	4894.8	4810.8	4837.5	4735.7	4546.3	4428.3	4433.7
55°	5062.7	5050.2	5184.2	5284.3	5300.4	5193.2	5064.5	4921.5	4683.8	4564.1	4528.4
57°	4893.0	4921.5	5069.8	5366.5	5516.6	5389.8	5109.2	4848.3	4532.0	4387.2	4322.9
57.5°	4666.0	4712.5	4969.8	5268.3	5425.5	5414.8	5053.8	4712.5	4430.1	4204.9	4210.3
60°	3418.7	3427.6	3659.9	4133.5	4624.9	4635.6	4196.0	3743.9	3429.4	3184.5	3218.4
62.5°	1803.2	1844.2	1937.1	2317.8	2743.2	2846.8	2580.5	2348.2	2076.6	1890.7	1908.6
65°	954.3	948.9	993.6	1100.8	1309.9	1363.5	1327.8	1143.7	1049.0	1018.6	1020.4
67.5°	775.6	784.5	779.2	784.5	798.8	822.1	816.7	823.8	829.2	838.1	836.3
70°	657.6	657.6	661.2	663.0	663.0	673.7	686.2	709.5	711.3	720.2	723.7
72.5°	518.3	514.7	520.1	532.5	534.3	543.2	561.1	575.4	580.8	580.8	570.1
75°	352.0	355.6	362.8	373.5	384.2	400.3	414.6	423.5	427.1	421.7	416.4
77.5°	198.3	201.9	207.3	223.4	235.9	250.2	266.3	275.2	284.2	286.0	275.2
80°	117.9	117.9	126.8	139.4	153.7	168.0	182.3	193.0	196.6	196.6	191.2
82.5°	71.5	73.3	80.4	92.9	105.5	114.4	126.8	135.9	143.0	141.2	137.6
85°	37.5	37.5	44.7	55.4	64.4	73.3	73.3	67.9	64.4	55.4	51.8
87.5°	12.5	10.7	14.3	14.3	12.5	14.3	14.3	16.1	16.1	16.1	16.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)